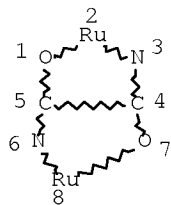


=> d que

L4 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE

L6 50 SEA FILE=REGISTRY SSS FUL L4

L8 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L6

=> d l8 1-3 ibib ed abs hitstr hitind

L8 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:920793 HCAPLUS Full-text

DOCUMENT NUMBER: 142:105926

TITLE: A New Class of Near-Infrared Electrochromic
Oxamide-Based Dinuclear Ruthenium ComplexesAUTHOR(S): Rastegar, Majid F.; Todd, Erin K.; Tang, Hongding;
Wang, Zhi YuanCORPORATE SOURCE: Department of Chemistry, Carleton University,
Ottawa, ON, K1S 5B6, Can.SOURCE: Organic Letters (2004), 6(24), 4519-4522
CODEN: ORLEF7; ISSN: 1523-7060

PUBLISHER: American Chemical Society

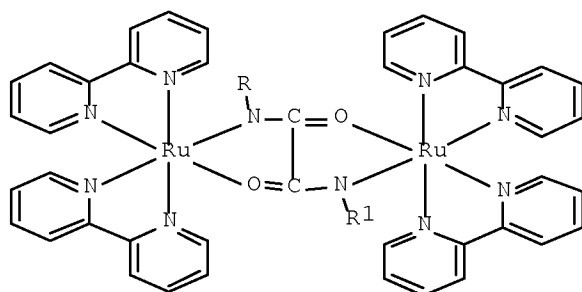
DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 142:105926

ED Entered STN: 03 Nov 2004

GI



I

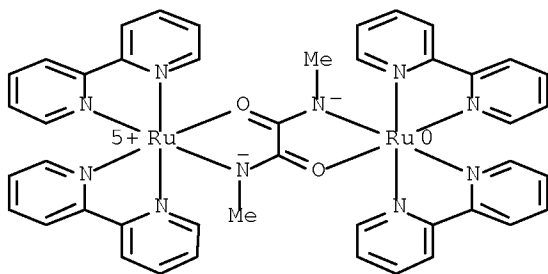
AB The authors report the synthesis of a new class of sym. and unsym. oxamide-based dinuclear Ru complexes I (R = R1 = Me, NPh2, H, p-C6H4NMe2, p-C6H4OMe, Ph, p-C6H4Cl, p-C6H4CO2Me, R = Ph, R1 = Me or R = 1-naphthyl, R1 = CHMePh). These complexes were characterized by NMR, ESI-MS, and electrochem. methods. Spectroelectrochem. anal. of the complexes showed broad absorptions in the NIR region for the mixed-valence state of the complexes. The introduction of a chiral group into the bridging ligand produced an optically active complex that was studied using CD.

IT 816419-30-4 816419-32-6 816419-33-7
 816419-35-9 816419-38-2 816419-43-9
 816419-46-2 816419-49-5 816419-52-0
 816419-53-1 816419-54-2 816419-55-3
 816419-56-4 816419-57-5 816419-58-6
 816419-60-0 816419-63-3 816419-65-5
 816419-66-6 816419-67-7

(elec. potential of couple containing)

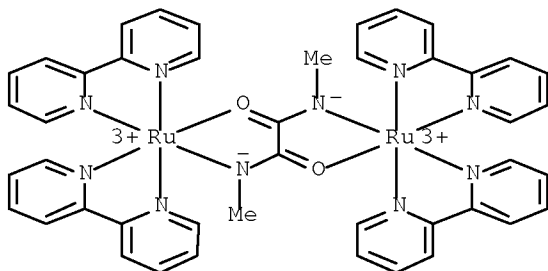
RN 816419-30-4 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-dimethylethanediimidato(2-)-κN,κO':κN',κO]]di- (9CI) (CA INDEX NAME)



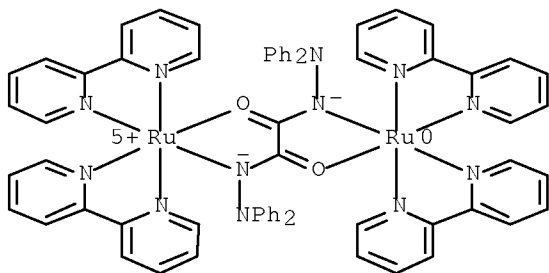
RN 816419-32-6 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-dimethylethanediimidato(2-)-κN,κO':κN',κO]]di- (9CI) (CA INDEX NAME)



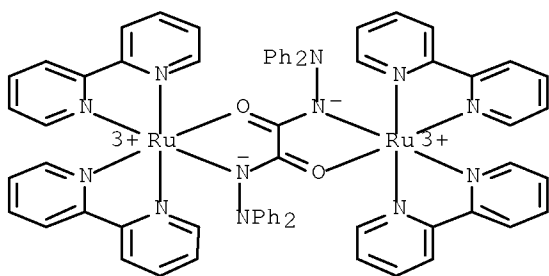
RN 816419-33-7 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-
[[(ethanedioic acid-κO1:κO2) bis(2,2-diphenylhydrazidato-
κN1)] (2-)] di- (9CI) (CA INDEX NAME)



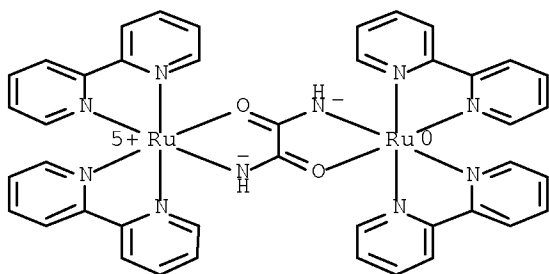
RN 816419-35-9 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-
[[(ethanedioic acid-κO1:κO2) bis(2,2-diphenylhydrazidato-
κN1)] (2-)] di- (9CI) (CA INDEX NAME)



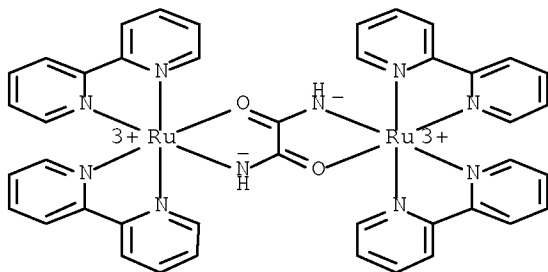
RN 816419-38-2 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-
[ethanediamidato(2-)-κN,κO':κN',κO]] di- (9CI)
(CA INDEX NAME)



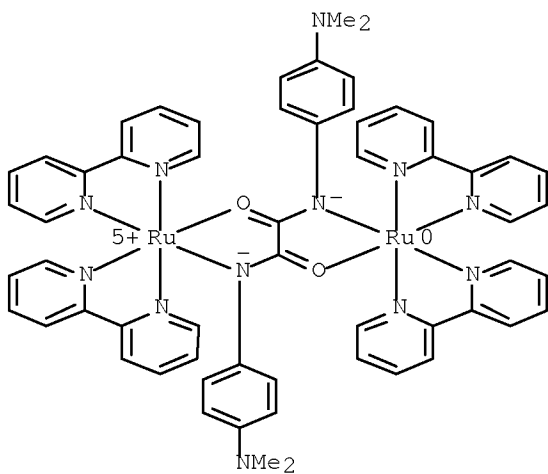
RN 816419-43-9 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di- (9CI)
(CA INDEX NAME)



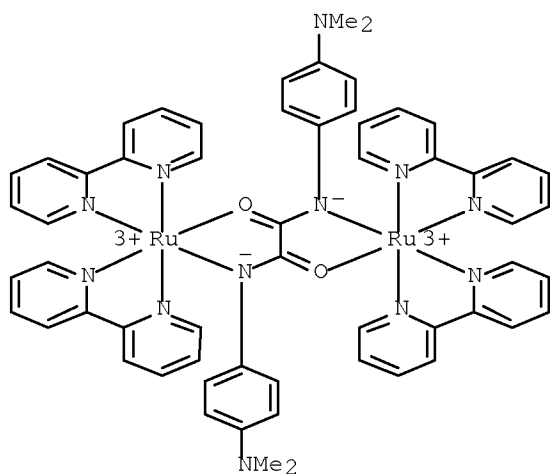
RN 816419-46-2 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-bis[4-(dimethylamino)phenyl]ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di- (9CI) (CA INDEX NAME)



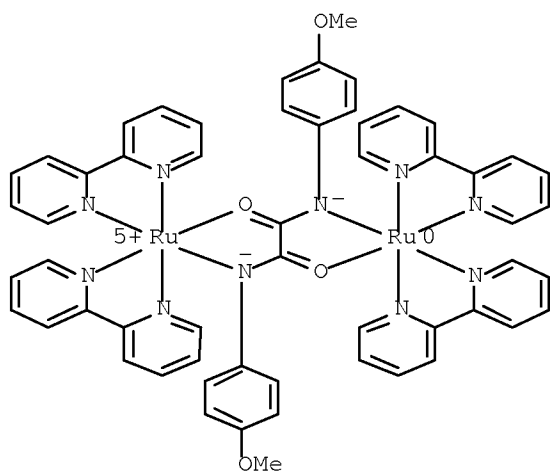
RN 816419-49-5 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-bis[4-(dimethylamino)phenyl]ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di- (9CI) (CA INDEX NAME)



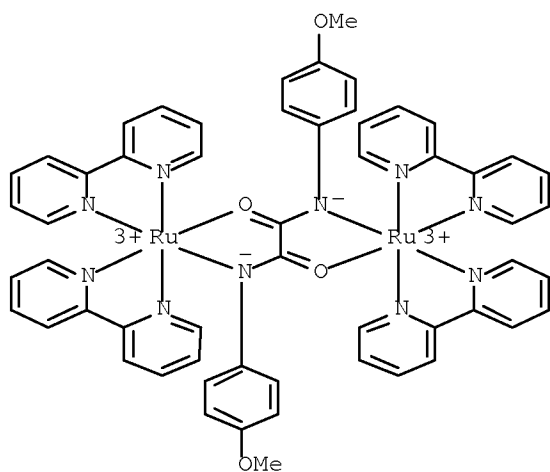
RN 816419-52-0 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-bis(4-methoxyphenyl)ethanediamidato(2-)-κN,κO':κN',κO]]di- (9CI) (CA INDEX NAME)



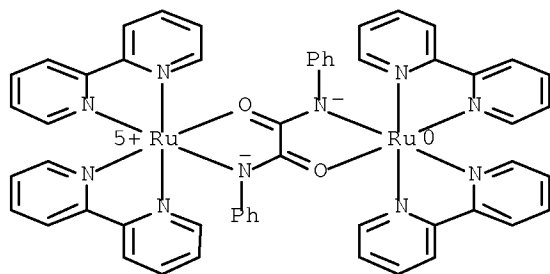
RN 816419-53-1 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-bis(4-methoxyphenyl)ethanediamidato(2-)-κN,κO':κN',κO]]di- (9CI) (CA INDEX NAME)



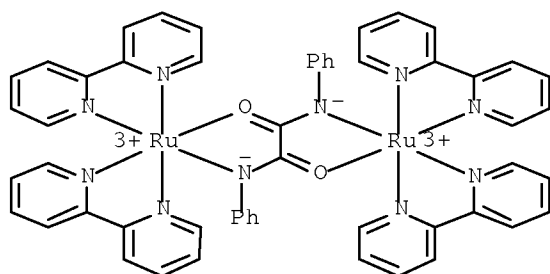
RN 816419-54-2 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-diphenylethanediamidato(2-)- κ N, κ O': κ N', κ O]]di- (9CI) (CA INDEX NAME)



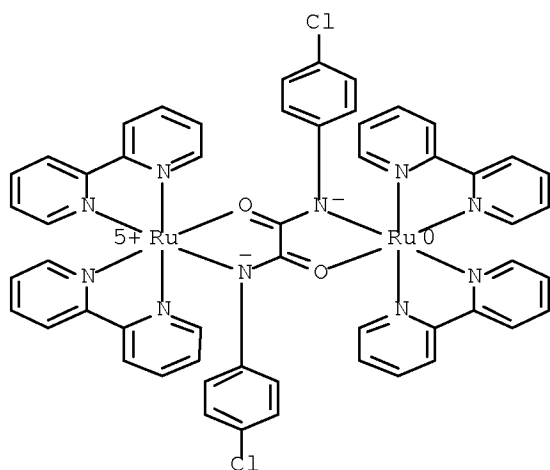
RN 816419-55-3 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-diphenylethanediamidato(2-)- κ N, κ O': κ N', κ O]]di- (9CI) (CA INDEX NAME)



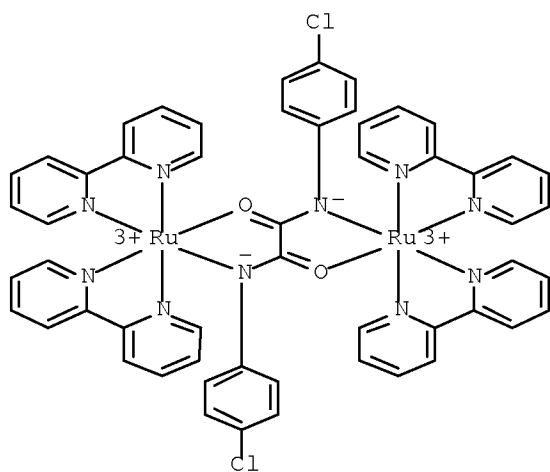
RN 816419-56-4 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-bis(4-chlorophenyl)ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di- (9CI) (CA INDEX NAME)



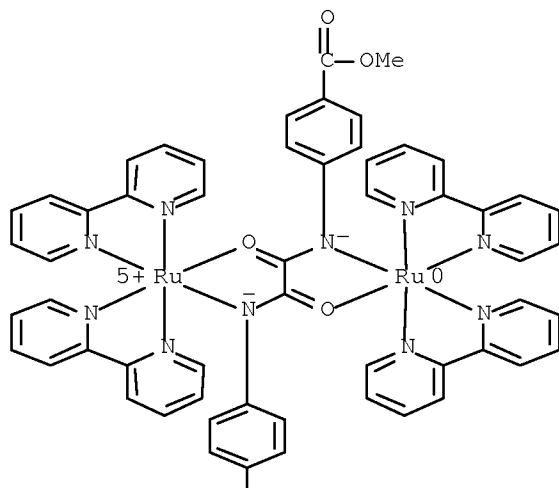
RN 816419-57-5 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-bis(4-chlorophenyl)ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di- (9CI) (CA INDEX NAME)

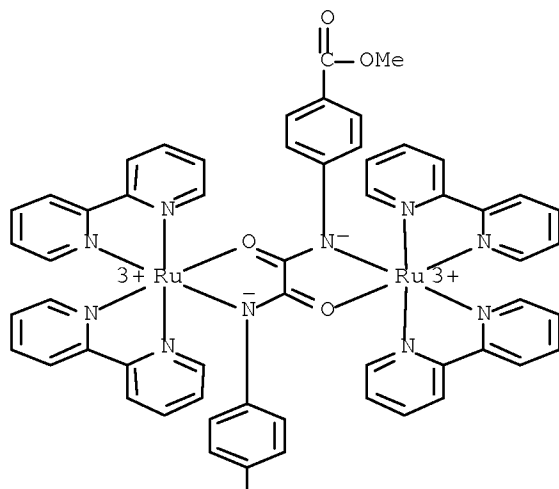


RN 816419-58-6 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[dimethyl 4,4'-[[1,2-di(oxo- κ O)-1,2-ethanediyl]di(imino- κ N)]bis[benzoato]](2-)]di- (9CI) (CA INDEX NAME)



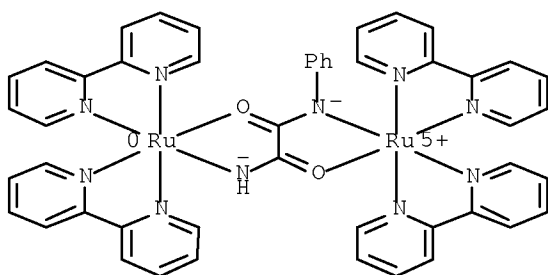
RN 816419-60-0 HCAPLUS
 CN Ruthenium(4+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[dimethyl 4,4'-[[1,2-di(oxo-κO)-1,2-ethanediyl]di(imino-κN)]bis[benzoato]](2-)]di- (9CI) (CA INDEX NAME)





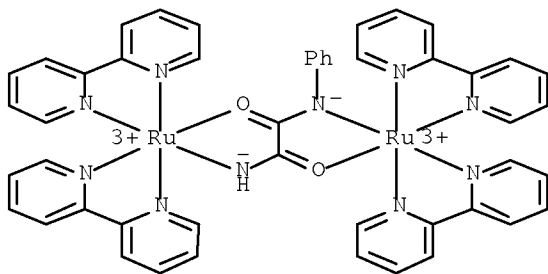
RN 816419-63-3 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N-phenylethanediamidato(2-)-κN,κO':κN',κO]]di-(9CI) (CA INDEX NAME)



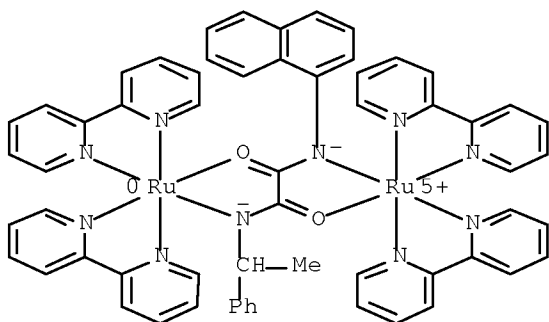
RN 816419-65-5 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N-phenylethanediamidato(2-)-κN,κO':κN',κO]]di-(9CI) (CA INDEX NAME)



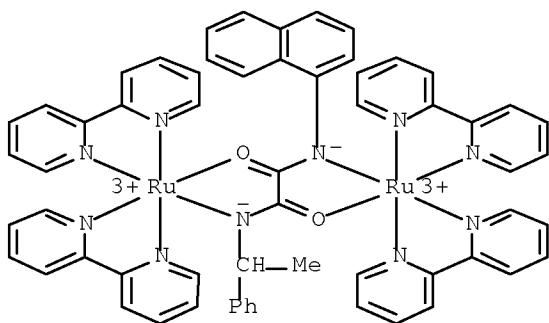
RN 816419-66-6 HCAPLUS

CN Ruthenium(3+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N-1-naphthalenyl-N'-[(1S)-1-phenylethyl]ethanediamidato(2-)-κN,κO':κN',κO]]di-(9CI) (CA INDEX NAME)



RN 816419-67-7 HCAPLUS

CN Ruthenium(4+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N-1-naphthalenyl-N'-[(1S)-1-phenylethyl]ethanediamidato(2-)-κN,κO':κN',κO]]di- (9CI) (CA INDEX NAME)



IT 485831-05-8P

(preparation and cyclic voltammetry and crystal structure of)

RN 485831-05-8 HCAPLUS

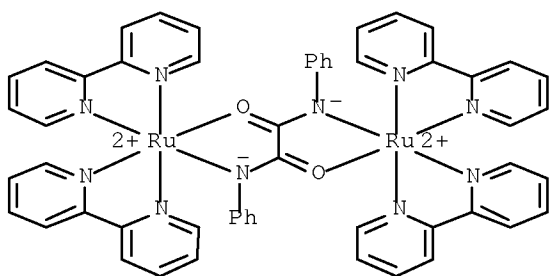
CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-diphenylethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 485831-04-7

CMF C54 H42 N10 O2 Ru2

CCI CCS

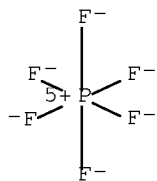


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



IT 816419-10-0P 816419-12-2P 816419-14-4P
 816419-16-6P 816419-18-8P 816419-20-2P
 816419-22-4P 816419-24-6P 816419-26-8P
 (preparation and cyclic voltammetry of)

RN 816419-10-0 HCAPLUS

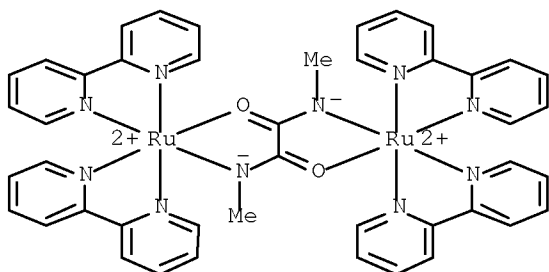
CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-
 [N,N'-dimethylethanediimidato(2-)-κN,κO':κN',κ
 O]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 816419-09-7

CMF C44 H38 N10 O2 Ru2

CCI CCS

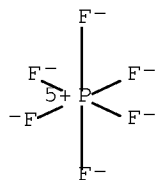


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 816419-12-2 HCAPLUS

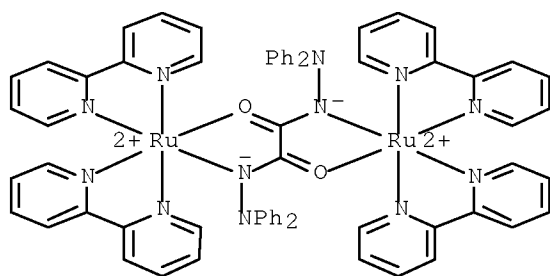
CN Ruthenium(2+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -
 [[(ethanedioic acid- κ O1: κ O2) bis(2,2-diphenylhydrazidato-
 κ N1)](2-)]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX
 NAME)

CM 1

CRN 816419-11-1

CMF C66 H52 N12 O2 Ru2

CCI CCS

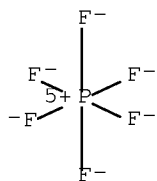


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 816419-14-4 HCAPLUS

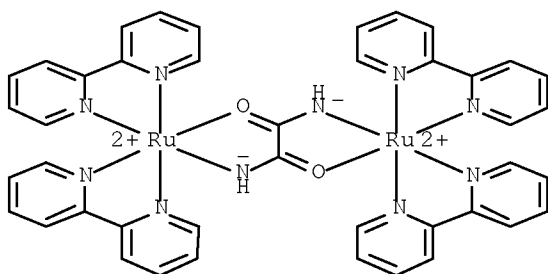
CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[ethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 816419-13-3

CMF C42 H34 N10 O2 Ru2

CCI CCS

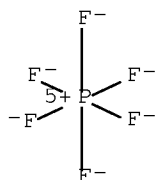


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 816419-16-6 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-bis[4-(dimethylamino)phenyl]ethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

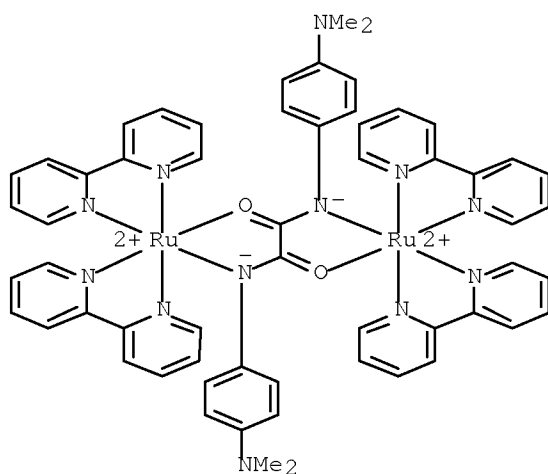
10/764,556

CM 1

CRN 816419-15-5

CMF C58 H52 N12 O2 Ru2

CCI CCS

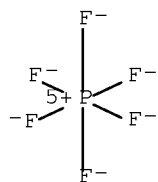


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 816419-18-8 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-bis(4-methoxyphenyl)ethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

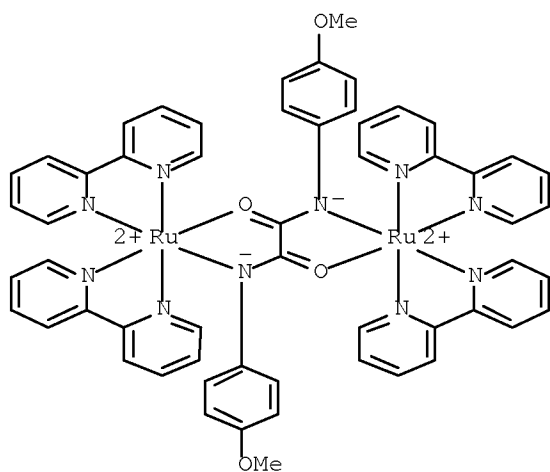
CM 1

CRN 816419-17-7

CMF C56 H46 N10 O4 Ru2

CCI CCS

10/764,556

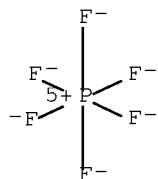


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 816419-20-2 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-bis(4-chlorophenyl)ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

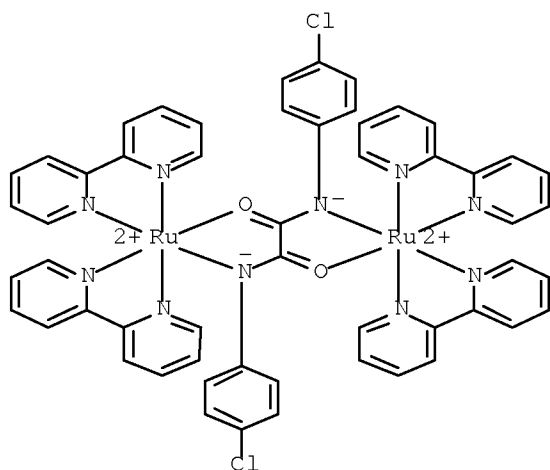
CM 1

CRN 816419-19-9

CMF C54 H40 Cl2 N10 O2 Ru2

CCI CCS

10/764,556

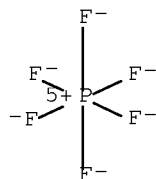


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 816419-22-4 HCAPLUS

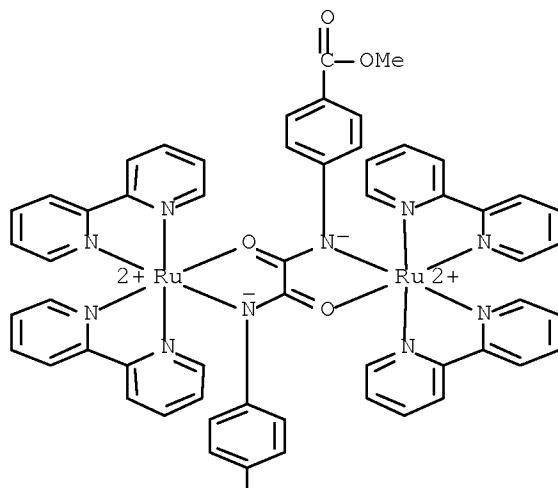
CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[dimethyl 4,4'-[[1,2-di(oxo-κO)-1,2-ethanediyl]di(imino-κN)]bis[benzoato]](2-)]di-, bis[hexafluorophosphate(1-)] (9CI)
(CA INDEX NAME)

CM 1

CRN 816419-21-3

CMF C58 H46 N10 O6 Ru2

CCI CCS

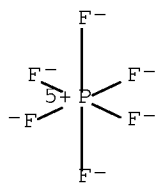


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 816419-24-6 HCAPLUS

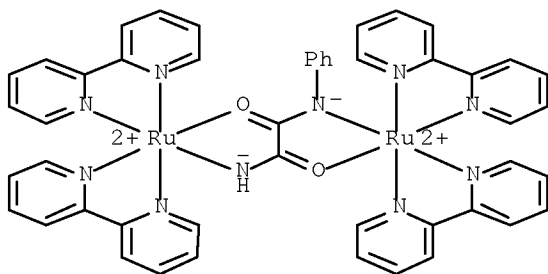
CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N-phenylethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 816419-23-5

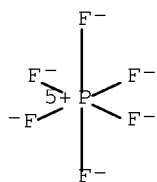
10/764,556

CMF C48 H38 N10 O2 Ru2
CCI CCS



CM 2

CRN 16919-18-9
CMF F6 P
CCI CCS



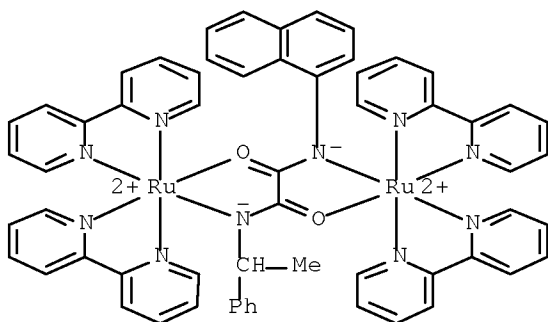
RN 816419-26-8 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N-1-naphthalenyl-N'-[(1S)-1-phenylethyl]ethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 816419-25-7
CMF C60 H48 N10 O2 Ru2
CCI CCS

10/764,556

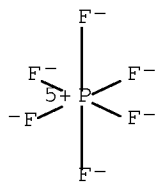


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



IT 816419-70-2P

(preparation of)

RN 816419-70-2 HCAPLUS

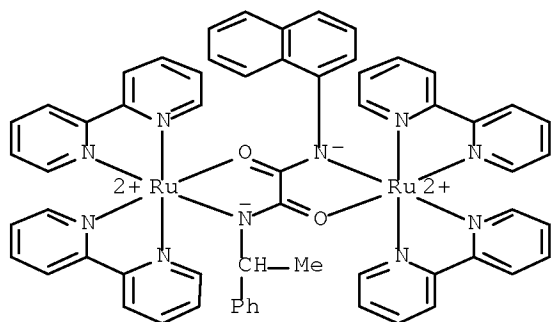
CN Ruthenium(2+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N-1-naphthalenyl-N'-[(1R)-1-phenylethyl]ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 816419-69-9

CMF C60 H48 N10 O2 Ru2

CCI CCS

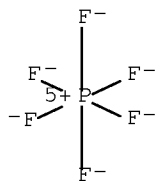


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



CC 78-7 (Inorganic Chemicals and Reactions)

Section cross-reference(s): 25, 72, 75

IT 816419-30-4 816419-32-6 816419-33-7
 816419-35-9 816419-38-2 816419-43-9
 816419-46-2 816419-49-5 816419-52-0
 816419-53-1 816419-54-2 816419-55-3
 816419-56-4 816419-57-5 816419-58-6
 816419-60-0 816419-63-3 816419-65-5
 816419-66-6 816419-67-7

(elec. potential of couple containing)

IT 485831-05-8P

(preparation and cyclic voltammetry and crystal structure of)

IT 816419-10-0P 816419-12-2P 816419-14-4P
 816419-16-6P 816419-18-8P 816419-20-2P
 816419-22-4P 816419-24-6P 816419-26-8P

(preparation and cyclic voltammetry of)

IT 816419-70-2P

(preparation of)

REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L8 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:281866 HCAPLUS Full-text

DOCUMENT NUMBER: 138:304708

TITLE: Ruthenium complexes for organic electrochromic

materials for optical attenuation in the near infrared region

INVENTOR(S): Wang, Zhi Yuan

PATENT ASSIGNEE(S): Twlinks Inc., Can.

SOURCE: U.S. Pat. Appl. Publ., 16 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

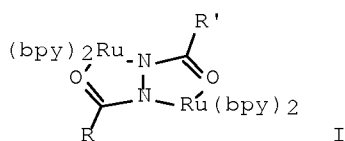
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20030066989	A1	20030410	US 2002-151891	20020522
US 6815528	B2	20041109		
CA 2348288	A1	20021124	CA 2001-2348288	20010524
CA 2348288	C	20070109		
US 20080188678	A1	20080807	US 2004-764556	20040127
PRIORITY APPLN. INFO.:			CA 2001-2348288	A 20010524
			US 2001-292959P	P 20010524
			US 2002-151891	A3 20020522

ED Entered STN: 11 Apr 2003

GI



AB The title compds. comprise I, where R and R' are different organic substituents. The compds. are useful as organic electrochromic Near IR (NIR)-active materials capable of absorbing and attenuating the light in the NIR region around 1550 nm and forming thin films on electrodes for variable optical attenuator (VOA) applications. They have utility in planar VOA devices. Complexes which are dimers or trimers (sym. or unsym.) are disclosed, as are polymeric complexes. Crosslinked polymeric complex films are also disclosed.

IT 485831-05-8F 485831-07-0P 485831-09-2P
485831-11-6P 485831-13-8P

(monomer; ruthenium complexes for organic electrochromic materials for optical attenuation in the near IR region)

RN 485831-05-8 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-diphenylethanedi amidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

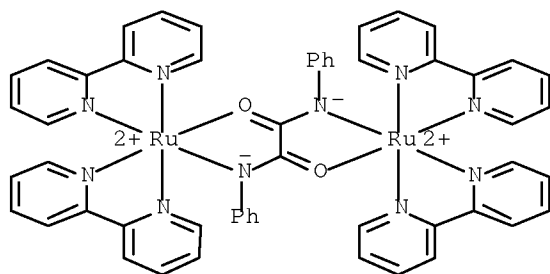
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CRN 485831-04-7

CMF C54 H42 N10 O2 Ru2

10/764,556

CCI CCS

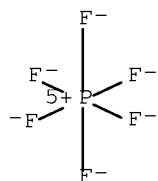


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 485831-07-0 HCAPLUS

CN Ruthenium(2+), [μ -[N,N'-bis[(4-aminophenyl)methyl]ethanediamidato(2-)- κ N, κ O': κ N', κ O]]tetrakis(2,2'-bipyridine- κ N1, κ N1')di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

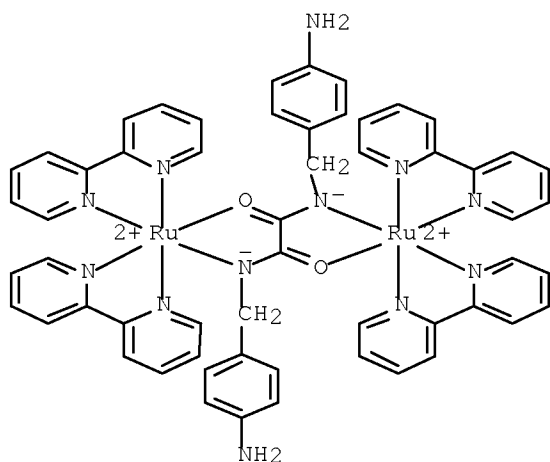
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CRN 485831-06-9

CMF C56 H48 N12 O2 Ru2

CCI CCS

10/764,556

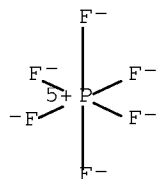


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CMF F6 P

CCI CCS



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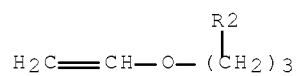
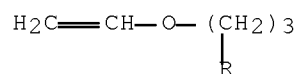
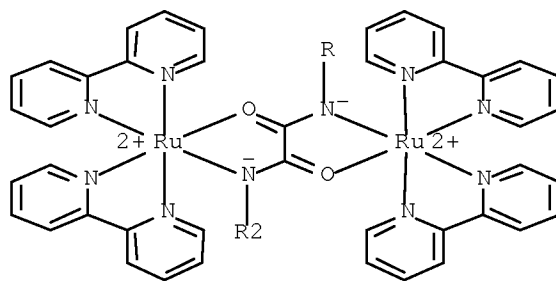
CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-bis[3-(ethenyloxy)propyl]ethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 485831-08-1

CMF C52 H50 N10 O4 Ru2

CCI CCS

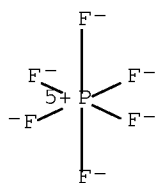


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 485831-11-6 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-bis(1,1-dimethylethyl)ethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

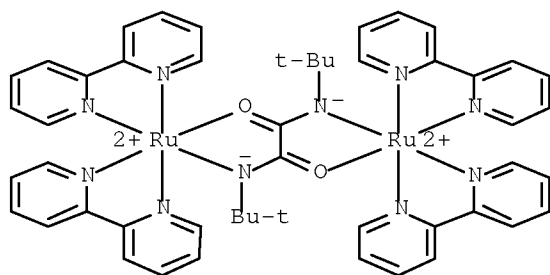
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CCI CCS

10/764,556

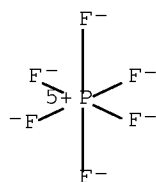


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CRN 16919-18-9

CMF F6 P

CCI CCS



RN 485831-13-8 HCAPLUS

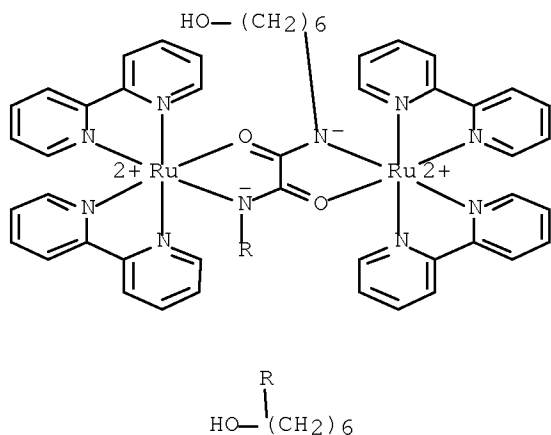
CN Ruthenium(2+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -[N,N'-bis(6-hydroxyhexyl)ethanediamidato(2-)- κ N, κ O': κ N', κ O]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 485831-12-7

CMF C54 H58 N10 O4 Ru2

CCI CCS

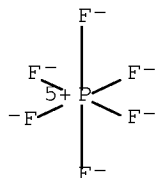


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



IC ICM C08G018-00

ICS G03C001-00; G02B005-02; G02C007-10; F21V009-00; G03B011-00

INCL 252582000; 528044000

CC 35-4 (Chemistry of Synthetic High Polymers)

Section cross-reference(s): 73, 78

IT 485830-81-7P 485830-83-9P 485830-85-1P 485830-87-3P

485830-89-5P 485830-91-9P 485830-93-1P 485830-95-3P

485830-97-5P 485830-99-7P 485831-01-4P 485831-03-6P

485831-05-8P 485831-07-0P 485831-09-2P

485831-11-6P 485831-13-8P

(monomer; ruthenium complexes for organic electrochromic materials for optical attenuation in the near IR region)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:42708 HCAPLUS Full-text

DOCUMENT NUMBER: 138:114780

TITLE: Electrochromic ruthenium complex polymers for optical attenuation in the near infrared region

INVENTOR(S): Wang, Zhi Yuan

PATENT ASSIGNEE(S): Twlinks Inc., Can.

SOURCE: U.S. Pat. Appl. Publ., 15 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20030010963	A1	20030116	US 2002-151889	20020522
US 6894111	B2	20050517		
CA 2348288	A1	20021124	CA 2001-2348288	20010524
CA 2348288	C	20070109		
PRIORITY APPLN. INFO.:			CA 2001-2348288	A 20010524
			US 2001-292959P	P 20010524

ED Entered STN: 17 Jan 2003

AB The invention provides generally a new type of organic electrochromic Near IR (NIR)-active materials capable of absorbing and attenuating the light in the NIR region around 1550 nm and forming thin films on electrodes for variable optical attenuator (VOA) applications. They have utility in planar VOA devices. The materials are ruthenium complexes. Unsym. complexes having two different substituents are disclosed, where one substituent is more electron-donating than the other. Complexes which are dimers or trimers (sym. or unsym.) are disclosed, as well as are polymeric complexes. Crosslinked polymeric complex films are also disclosed.

IT 485831-05-8P 485831-07-0P 485831-09-2P
 485831-11-6P 485831-13-8P

(preparation of electrochromic ruthenium complex polymers)

RN 485831-05-8 HCAPLUS

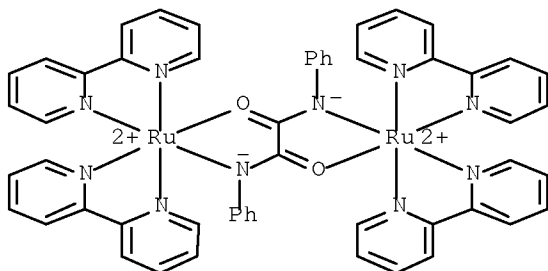
CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-diphenylethanediimidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

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CRN 485831-04-7

CMF C54 H42 N10 O2 Ru2

CCI CCS

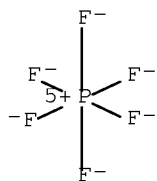


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CRN 16919-18-9

10/764,556

CMF F6 P
CCI CCS

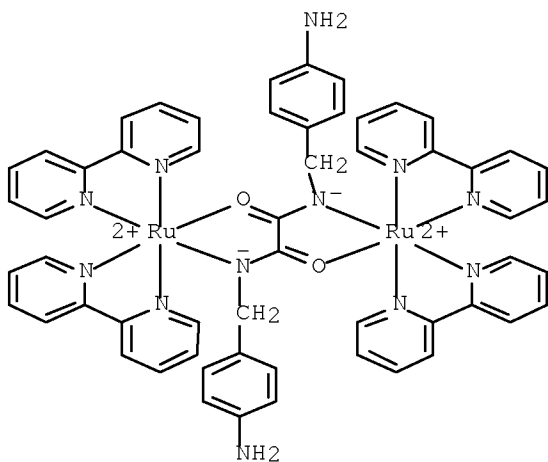


RN 485831-07-0 HCAPLUS

CN Ruthenium(2+), [μ -[N,N'-bis[(4-aminophenyl)methyl]ethanediamidato(2-)- κ N, κ O': κ N', κ O]]tetrakis(2,2'-bipyridine- κ N1, κ N1')di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

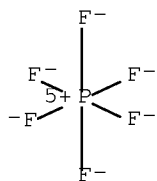
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CRN 485831-06-9
CMF C56 H48 N12 O2 Ru2
CCI CCS



CM 2

CRN 16919-18-9
CMF F6 P
CCI CCS



RN 485831-09-2 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine-κN1,κN1') [μ-[N,N'-bis[3-(ethenyloxy)propyl]ethanediamidato(2-)-κN,κO':κN',κO]]di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

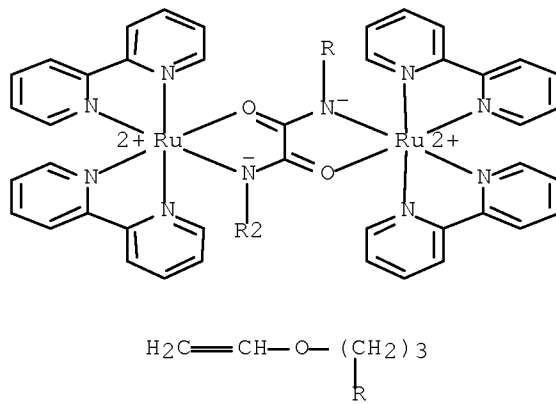
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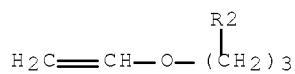
CMF C52 H50 N10 O4 Ru2

CCI CCS

PAGE 1-A



PAGE 2-A

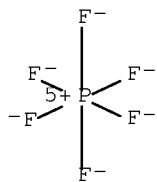


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 485831-11-6 HCAPLUS

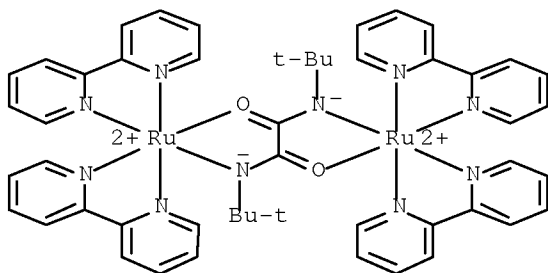
CN Ruthenium(2+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -
[N,N'-bis(1,1-dimethylethyl)ethanediamidato(2-)-
 κ N, κ O': κ N', κ O]]di-, bis[hexafluorophosphate(1-
)] (9CI) (CA INDEX NAME)

CM 1

CRN 485831-10-5

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CCI CCS

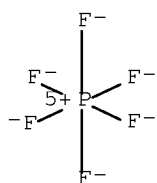


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



RN 485831-13-8 HCAPLUS

CN Ruthenium(2+), tetrakis(2,2'-bipyridine- κ N1, κ N1') [μ -
[N,N'-bis(6-hydroxyhexyl)ethanediamidato(2-)-

10/764,556

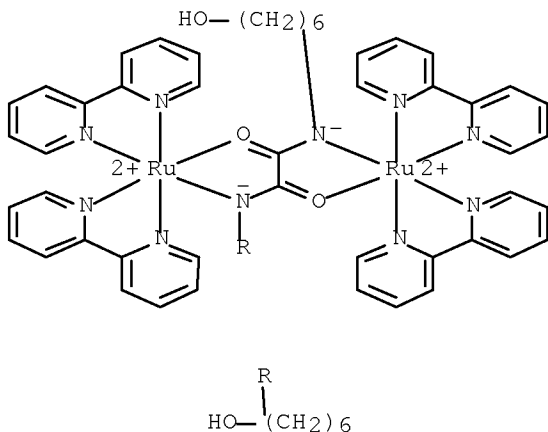
$\kappa N, \kappa O': \kappa N', \kappa O]$ di-, bis[hexafluorophosphate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 485831-12-7

CMF C54 H58 N10 O4 Ru2

CCI CCS

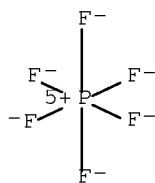


CM 2

CRN 16919-18-9

CMF F6 P

CCI CCS



IC ICM G03C001-00

INCL 252582000

CC 73-11 (Optical, Electron, and Mass Spectroscopy and Other Related Properties)

Section cross-reference(s): 72

IT 26100-79-8DP, complexes with ruthenium compds. 27251-03-2DP, complexes with ruthenium compds. 27306-66-7DP, Poly[hydrazo(1,6-dioxo-1,6-hexanediyl)], complexes with ruthenium compds. 28406-85-1DP, complexes with ruthenium compds. 30397-70-7DP, complexes with ruthenium compds. 30661-24-6DP, complexes with ruthenium compds. 32035-54-4DP, complexes with ruthenium compds. 439217-50-2P 485802-60-6DP, complexes with ruthenium compds.

10/764,556

485802-61-7DP, complexes with ruthenium compds. 485830-81-7P
485830-83-9P 485830-85-1P 485830-87-3P 485830-89-5P
485830-91-9P 485830-93-1P 485830-95-3P 485830-97-5P
485830-99-7P 485831-01-4P 485831-03-6P 485831-05-8P
485831-07-0P 485831-09-2P 485831-11-6P
485831-13-8P 485831-15-0P 485831-17-2P 485831-19-4P
485831-23-0P

(preparation of electrochromic ruthenium complex polymers)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

=> d his nofile

(FILE 'HOME' ENTERED AT 11:20:38 ON 20 AUG 2008)

FILE 'HCAPLUS' ENTERED AT 11:20:53 ON 20 AUG 2008

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485830-93-1/BI O

L3 25 SEA ABB=ON PLU=ON L2 AND RU/ELS

L4 STR

L5 3 SEA SSS SAM L4

L6 50 SEA SSS FUL L4

L7 5 SEA ABB=ON PLU=ON L6 AND L2
SAV L6 TRU556/A

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L8 3 SEA ABB=ON PLU=ON